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JAPANESE MEDICAL MATERIAL

MINOPHAGEN B

Injection of Arginine Congener
and Glucuronic Acid

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MEDICAL ANALYSIS SECTION
5250th Technical Intelligence Company
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14 May 1946

Minophagen B

(Injection of Arginine Congener and Glucuronic Acid)

SOURCE: Tokyo, Japan.

IMPORTANCE: Not previously reported. An extract of hemopoietic principles recommended for various diseases.

DESCRIPTION: Ten clear glass ampoules, each containing 2 cc of clear liquid are enclosed in a cardboard box.

SUMMARY OF GENERAL INFORMATION: This product is claimed to be an

extract of hemopoietic principles containing an arginine-

like dibasic amino acid,
$$\begin{array}{c} \text{NH} = \text{C} - \text{NH} - (\text{CH}_2)_3 - \text{CH} - \text{COOH}, \\ | \qquad \qquad \qquad | \\ \text{NH}_2 \qquad \qquad \qquad \text{NH}_2 \end{array}$$

and glucuronic acid, $\text{CHO} - (\text{CHOH})_4 - \text{COOH}$. It is believed to be the substance responsible for natural immunity.

A translation of the literature enclosed with this product is part of this report and describes its constituents, importance, indications, use and dosage, caution, packaging and manufacturer.

Inasmuch as the role of amino acids in nutrition and disease is still being intensively investigated, no true evaluation of this product can be made at this time.

PHOTOGRAPHS: Figure 1 - Closed Package of Minophagen B

Figure 2 - Open Package of Minophagen B

Figure 3 - Literature of Minophagen B



噬菌抗毒素

三ノアード・ビー

MINOPHAGEN B

皮下注射液

【性状・成分】

本剤は造血臓器より抽出せるアルギニン様二鹽基アミノ酸 $\text{H}_2\text{N}-\text{C}(\text{NH}_2)-\text{NH}-$
 $(\text{CH}_2-\text{CH}_2-\text{CH}_2-\text{CH}(\text{NH}_2)-\text{COOH})$ とグルクロン酸 $\text{CHO}(\text{CHOH})_4\text{COOH}$ との
 複合體であつて、生體內において常時自然免疫を行へる物質なりと思惟される。

（説明者）

東京帝國大學醫學部教授 醫學博士 養 内 秋 氏
 醫學士 高橋松蔵氏 醫學士 津北源浩氏 醫學士 佐藤盛根氏

【特 長】

1. 副作用なき故、年齢・體質・症状等に對する顧慮なく、凡ての傳染性熱性疾患に安んじて使用することを得。
2. 熱性疾患に伴ひ易き肝臓及腎臓の障害を豫防す。
3. 注射時の疼痛少く、且つ腫脹等を惹起する恐れ全然なきことも、臨床應用上の一特長と傳ふ。

【適 應 症】

1. ウイルス性疾患——麻疹・デング熱・耳下腺炎・猩紅熱・ヘルペス・トラコーマ・
2. 發疹チフス・流行性感冒・第四性病
3. 急性消化器傳染病——チフス・赤痢・痙攣、大腸カタル・小兒腸炎・アメーバ赤痢
4. 百日咳・百日咳肺炎
5. 小兒及老人性肺炎、急性及び亜急性中耳炎、膿毒性扁桃腺炎、扁桃腺周圍炎、急性結膜炎、結核性肺炎、骨髄膜炎、癩癰瘻の併發症として來るフルンケル・カルブシケル・產褥熱、子宮附件器炎、腎盂炎、手術後の創傷、第四性病、軟性下疳
5. 慢性化膿性疾患——頸骨骨髓炎、齒槽膿瘍

【用量・用法】

1. 本剤は皮下注射液なるも、症状により静脈・筋肉・嚔嚔・結膜下其他局所に注射して差支へなし。
2. 一回に一筒(2cc)乃至二筒(4cc)を適當とし、一日の回数は病狀に依り適宜加減すべし。急性疾患の症狀激烈なるものに對しては、特に大量を使用すべし。
3. 併用禁忌なし。

【注 意】

1. 本剤は冷暗所に格納すれば永久保存に耐ゆ。
2. 本剤は元來無色透明なるものなれば濁濁を生じたる場合は變質せるものなるにつき使用せざること。

【包 裝】

1cc × 10 × 50
 2cc × 5 × 10 × 50

東京市四谷區内藤町一番地

製造發賣元

合 社

三ノアード・ビー製藥本舖

養内免疫藥理研究所

電話 西四谷(8)一二二七番

銀座東京一五九二二七番

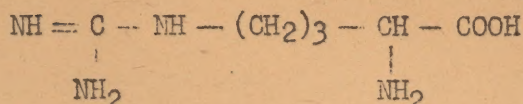
工場 東京市杉並區東田町二ノ一八二

電話 杉並(6)三八〇六番

Translation of the Literature Accompanying Minophagen B

Minophagen B (Hypodermic)
Phagocytic Antitoxin

CONSTITUENTS: This drug is an Arginine-like dibasis amino acid,



extracted from the blood manufacturing organs, and glucuronic acid, $\text{CHO}(\text{CHOH})_4\text{COOH}$. It is believed to be the substance that is responsible for natural immunity.

DISCOVERERS: OSAMU MINOUCHI, Doctor of Science, Assistant Professor of the Scientific Department of the Tokyo Imperial University.
MATSUZO TAKAHASHI, Bachelor of Science .
HIROSHI EBINOSE, Bachelor of Science.
IWANE SATO, Bachelor of Science.

IMPORTANCE:

1. It can be used for all infective and febrile diseases without due concern of age, diatheses or symptoms, since it has no secondary reactions.
2. It prevents liver and kidney damage in febrile diseases.
3. It causes very little pain when injected and causes no swelling.

INDICATIONS:

1. Virus diseases--measles, dengue fever, mumps, scarlet fever, herpes, trachoma, typhus, influenza, and the fourth venereal disease.
2. Acute digestive diseases--typhoid, dysentery, childrens dysentery, colitis, amoebic dysentery, infant colic.
3. Pertussis and pertussal pneumonia.
4. Pneumonia of infancy or old age, acute or subacute mumps, tonsillitis inflammation of the tissue surrounding the tonsils, acute conjunctivitis, phlegmon, periostitis, diabetis, boils or carbuncles caused by diabetis, puerperal fever, inflammation of the organs attached to the uterus, pyelitis, soft chancre, fourth venereal disease, It may also be used as a post operative antiseptic.

5. Suppurative dental infections, suppurative alveolitis, periostitis of the maxillary bones.

USE AND DOSE: Though this drug is usually used hypodermically, it may also be injected into the vein, muscle or into or near the conjunctiva, depending on conditions. The usual dose of 2 cc may be repeated as needed. There are no incompatibilities for Minophagen B.

CAUTION: Keep in a cool dark place. This is a colorless transparent solution. If turbidity results, it must be discarded.

PACKAGINGS: 1 cc Box of 10, Box of 50
2 cc Box of 5, Box of 10, Box of 50

MANUFACTURED AND SOLD AT:

Minophagen Pharmaceutical Co. Ltd.
Minouchi Immunological Laboratory
Tel. Yotsuya (35) # 127
P. O. Savings Transfer Account: Tokyo #159227

Factory - # 182, 2 chome, Higashita Cho, Suginami Ku, Tokyo
Tel. Ogikubo (59) # 3806